

# Type Specimens of Australian Hymenoptera (Insecta) transferred from the Macleay Museum, University of Sydney, to the Australian National Insect Collection, Canberra

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(Communicated by D. S. HORNING)

NAUMANN, I. D., CARDALE, J. C., TAYLOR, R. W., & MACDONALD, J. Type specimens of Australian Hymenoptera (Insecta) transferred from the Macleay Museum, University of Sydney, to the Australian National Insect Collection, Canberra. *Proc. Linn. Soc. N.S.W.* 114 (2): 69-72 (1994).

Types of 67 species of Australian Hymenoptera transferred on permanent loan from the Macleay Museum to the Australian National Insect Collection are catalogued. They represent species described by J. Clark, W. C. Crawley, A. P. Dodd, R. Forsius, W. W. Froggatt, A. A. Girault, W. E. Leach and W. J. Macleay.

KEY WORDS: Macleay Museum; types; Hymenoptera; ANIC, Canberra.

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## INTRODUCTION

Arrangements for the transfer of insect type material from the Macleay Museum to the Australian National Insect Collection (ANIC) were outlined by Britton and Stanbury (1981). They catalogued the types of Coleoptera previously transferred. Relevant Hemiptera types were listed by Stevens and Carver (1986).

The 136 specimens reviewed below (Table 1) comprise all Australian types of the order Hymenoptera now on permanent loan to the ANIC from the Macleay Museum. It is possible that additional relevant types remain in Sydney unrecognised because of inadequate labels. Also, a large number of non-Australian Hymenoptera housed in the Macleay Museum will undoubtedly include further type specimens.

Sixty-seven specific names (10 of John Clark, 6 of W. C. Crawley, 10 of A. P. Dodd, 1 of R. Forsius, 6 of W. W. Froggatt, 30 of A. A. Girault, 3 of W. E. Leach and 1 of W. J. Macleay) are represented in the list. Additional information on the Girault types and the scelionid types of Dodd is given by Galloway (1976) and Dahms (1983, 1984). Current nomenclature of the ants (Formicidae) is covered by the check-lists of Taylor and Brown (1985) and Taylor (1987).

The listed W. C. Crawley ant specimens might not be types, though their data labels and style of mounting imply that they are members of their original series. None have explicit type labels, but most pins bear a printed tag reading 'type series' and a determination label in Clark's hand. Crawley's material was supplied by Clark, who is known usually to have withheld some specimens from each shipment. They were not studied by Crawley and are not types. The specimens listed here seem likely to be in this category, but they stand as effective nomenclatural vouchers of the relevant species, essentially equivalent to designated secondary types.

A preliminary list of Macleay Museum types by Hahn (1976) includes a number of *nomina nuda*, confusing misspellings and errors. Major corrections to Hahn's list are:

1. The following species names, attributed to A. A. Girault are in fact unpublished: *Parerotolepsia aereifemur*; *Aligherinia chauceri*; *Stomatoceras discofuscus*; *Rhichopeltella eucalypta*;

*Cirrospilus hemansi*; *Stomatoceras iris*; *Rhopalencyrtoidea longa*; *Epimegastigmus madolinea*; *Thaumasura pavogiboreus*; *Epimetagea punctiventris*; *Chalcis shuberti iris*; *Phylloxerxenoides sidneyi*; *Epimetagea tativentris*; *Neomphaloidella thysba*.

Specimens associated with these *nomina nuda* have no type status, but have been transferred to the ANIC where Girault's unpublished manuscript dealing with them is preserved.

2. The following names are misspellings of available names: '*Agamerion 10*' = *A. io*; '*Trichohaltichella coccineipes*' = *I. coccinipes*; '*Elijahia pacta*' = *E. poeta*; '*Stilbula ortodigitata*' = *S. octodigitata*; '*Trichoceras rubrifemus*' = *Trichoxenia rubrifemur*.

3. Hahn listed an ant named *Phyracaces rufoniger* Clark. This combination has never been published, and the relevant specimens have not been located in the Macleay holdings. Clark published *Rhytidoponera rufoniger* in 1936 and *Euponera (Brachyponera) rufoniger* (now *Trachymesopus*) in 1934.

#### ACKNOWLEDGEMENTS

We thank Drs D. S. Horning and A. D. Austin for comments on an earlier draft of this manuscript.

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CATALOGUE OF TYPES OF AUSTRALIAN HYMENOPTERA TRANSFERRED  
ON PERMANENT LOAN FROM MACLEAY MUSEUM TO  
AUSTRALIAN NATIONAL INSECT COLLECTION

(Abbreviations: A = allotype; H = holotype; P = paratype; S = syntype; PL = paralectotype)

Specific Name	Original Genus	Family	Type Locality	Types
<i>aeonebrunnea</i> Girault 1929	<i>Epimetegea</i>	Eucharitidae	King George Sound, WA	H
<i>albipetiole</i> Girault 1929	<i>Stilbula</i>	Eucharitidae	SA	1 S
<i>atricorpus</i> Girault 1931	<i>Epiperilampus</i>	Pteromalidae	Sydney, NSW	7 S
<i>atricoxa</i> Dodd 1914	<i>Scelionomorpha</i>	Scelionidae	Sydney (Elizabeth Bay), NSW	H
<i>atriscapa</i> Crawley 1925	<i>Myrmecia</i>	Formicidae	Albany, WA	1?S
<i>aurantiscutum rex</i> Girault 1931	<i>Perilampoides</i>	Pteromalidae	Mt Druitt, NSW	3 S
<i>bella</i> Girault 1927	<i>Thaumasura</i>	Pteromalidae	SA	2 P
<i>bicolor</i> Clark 1924	<i>Phyracaces</i>	Formicidae	Armadale, WA	2S
<i>brevis</i> Clark 1924	<i>Phyracaces</i>	Formicidae	Hovea, WA	3S
<i>castaneus</i> Clark 1924	<i>Phyracaces</i>	Formicidae	Hovea, WA	1S
<i>chalybea</i> Froggatt 1890	<i>Perga</i>	Pergidae	SA; Nundle, NSW	?P
<i>citritibiae</i> Girault 1928	<i>Rhichnopeltella</i>	Eulophidae	Sydney, NSW	2 S
<i>clarki</i> Crawley 1923	<i>Pseudopodomyrma</i>	Formicidae	Swan River, WA	1?S
<i>coccinipes</i> Girault 1928	<i>Irichohaltichella</i>	Chalcididae	SA	H
<i>concoloripes</i> Dodd 1914	<i>Scelionomorpha</i>	Scelionidae	NSW	H
<i>cyanea</i> Leach 1817	<i>Pterygophorus</i>	Pergidae	'Australasia'	?S
<i>dentatinothum</i> Girault 1928	<i>Perilampus</i>	Perilampidae	Lord Howe Island	H
<i>deuqueti</i> Crawley 1923	<i>Aenictus</i>	Formicidae	Lismore, NSW	3?S
<i>distincta</i> Dodd 1914	<i>Macroteleia</i>	Scelionidae	NSW	H, A
<i>dorsalis</i> Leach 1817	<i>Perga</i>	Pergidae	'Australasia'	?H
<i>ferruginea</i> Leach 1817	<i>Perga</i>	Pergidae	'Australasia'	2 S
<i>flavifemora</i> Girault 1929	<i>Epimetegea</i>	Eucharitidae	Camden, NSW	H
<i>fenchi</i> Froggatt 1906	<i>Megalyra</i>	Megalyridae	Melbourne, Vic	PL
<i>fulvidus</i> Clark 1923	<i>Eusphinctus</i>	Formicidae	Mundaring, WA	6S
<i>gilesi</i> Clark 1923	<i>Phyracaces</i>	Formicidae	Mundaring, WA	2S
<i>glabra</i> Froggatt 1890	<i>Philomastix</i>	Pergidae	'Australasia', Dunoon, Richmond River	4?P
<i>io</i> Girault 1935	<i>Agamerion</i>	Pteromalidae	NSW	H
<i>julietta</i> Girault 1934	<i>Rhichnopeltella</i>	Eulophidae	Sydney (Manly), NSW	11 S
<i>longa</i> Girault 1928	<i>Thaumasura</i>	Pteromalidae	NSW	H
<i>lyelli</i> Froggatt 1906	<i>Megalyra</i>	Megalyridae	Gisborne, Vic	PL
<i>magniclava</i> Dodd 1914	<i>Scelionomorpha</i>	Scelionidae	NSW	H
<i>mastersi</i> Froggatt 1906	<i>Megalyra</i>	Megalyridae	NSW	H
<i>meridianus</i> Dodd 1914	<i>Hadronotoides</i>	Scelionidae	SA	H, A
<i>miltoni</i> Girault 1931	<i>Euryperilampus</i>	Pteromalidae	Sydney, NSW	3 S
<i>minutissimus</i> Girault 1926	<i>Chalcis</i>	Chalcididae	SA	1 S
<i>monilicornis</i> Girault 1940	<i>Epimetegea</i>	Eucharitidae	SA	3 S
<i>nancarrowi</i> Froggatt 1890	<i>Philomastix</i>	Pergidae	Cairns	?P
<i>neumani</i> Clark 1923	<i>Phyracaces</i>	Formicidae	Mundaring, WA	1S
<i>nigriclava</i> Dodd 1914	<i>Scelionomorpha</i>	Scelionidae	NSW	H
<i>nigriventris</i> Clark 1924	<i>Phyracaces</i>	Formicidae	National Park, WA	1S
<i>occidentalis</i> Clark 1923	<i>Eusphinctus</i>	Formicidae	Mundaring, WA	2S
<i>octodigitata</i> Girault 1929	<i>Stilbula</i>	Eucharitidae	King George Sound, WA	H
<i>parvicornis</i> Dodd 1914	<i>Scelio</i>	Scelionidae	SA	H
<i>perthensis</i> Crawley 1922	<i>Pheidole</i>	Formicidae	Perth, WA	2?S
<i>picipes</i> Clark 1924	<i>Phyracaces</i>	Formicidae	Tammin, WA	1S
<i>poeta</i> Girault 1928	<i>Elijahia</i>	Encyrtidae	King George Sound, WA	H
<i>poeta</i> Girault 1929	<i>Toxumoides</i>	Pteromalidae	SA	H
<i>punctata</i> Girault 1931	<i>Perilampella</i>	Pteromalidae	NSW	1?S
<i>punctatissimus</i> Clark 1923	<i>Phyracaces</i>	Formicidae	Mundaring, WA	5S
<i>regularis</i> Crawley 1925	<i>Myrmecia</i>	Formicidae	Albany, WA	2?S
<i>robustus</i> Dodd 1914	<i>Austroscelio</i>	Scelionidae	NSW	H
<i>rotundiceps</i> Girault 1932	<i>Dinocarsis</i>	Encyrtidae	SA	2 S
<i>rubrifemur</i> Girault 1926	<i>Trichoxenia</i>	Chalcididae	SA	H
<i>rubritibia</i> Girault 1932	<i>Thaumasura</i>	Pteromalidae	NSW	H

Specific Name	Original Genus	Family	Type Locality	Types
<i>scutatus</i> Girault 1931	<i>Perilampoides</i>	Pteromalidae	Sydney, NSW	9S
<i>shakespearei</i> Girault 1926	<i>Chalcis</i>	Chalcididae	NSW	H
<i>shakespearei</i> Girault 1926	<i>Trichoxenia</i>	Chalcididae	WA	H
<i>sidneyi</i> Girault 1930	<i>Metapelma</i>	Eupelmidae	Sydney, NSW	8S
<i>sismondini</i> Girault 1931	<i>Terobiella</i>	Pteromalidae	Sydney, NSW	H
<i>socialis</i> Macleay 1873	<i>Ectatomma</i>	Formicidae	Mundario, NSW	4S
<i>swalei</i> Crawley 1922	<i>Promyrmecia</i>	Formicidae	Albany, WA	1S
<i>theclavorae</i> Girault 1930	<i>Stomatoceras</i>	Chalcididae	Kuranda, Q	1P
<i>tripustulatus</i> Girault 1929	<i>Isoplatoides</i>	Pteromalidae	SA	H
<i>unguttifemur</i> Girault 1926	<i>Chalcis</i>	Chalcididae	NSW	H
<i>variabilis</i> Forsius 1927	<i>Neoeurys</i>	Pergidae	Mt Lofty, SA	2 P
<i>variegatus</i> Dodd 1914	<i>Dendrocercus</i>	Ceraphronidae	NSW	H
<i>violascens</i> Dodd 1915	<i>Omphalomorphoides</i>	Eulophidae	Sydney, NSW	2S